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 (c) 2006 FIZ TECHNIK
File 98:General Sci Abs 1984-2006/Nov
 (c) 2006 The HW Wilson Co.
File 148:Gale Group Trade & Industry DB 1976-2006/Dec 06
 (c) 2006 The Gale Group

*Inventor
Search*

File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
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 File 369:New Scientist 1994-2006/Sep W3
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Set	Items	Description
S1	7	AU='CRESCENTI J':AU='CRESCENTI J R'
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S4	5	AU='CRESCENTI, JOHN'
S5	1	IV='CRESCENTI J'
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S8	41	AU='KAVURI S':AU='KAVURI SRINIVAS'
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S14	36	AU='OSHINSKY, DAVID':AU='OSHINSKY, DAVID ALAN'
S15	7	AU='OSHINSKY, DAVID, A. ':AU='OSHINSKY, DAVID, 1944-'
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S17	9	IV='OSHINSKY, DAVID':IV='OSHINSKY, DAVID, ALAN'
S18	77	AU='PRAHLAD A':AU='PRAHLAD ANAND'
S19	39	AU='PRAHLAD, ANAND':AU='PRAHLAD, ANAND (DENNIS FOLLY)'
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AND OR OSHIN

S23 182 S1:S22
S24 90 S23 FROM 347,348,349,350,371
S25 82 IC=G06F
S26 82 S24 AND S25
S27 80 BACK???() (UP OR UPS) OR BACKUP OR BACKUPS OR STORAGE OR AR-
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ON OR RETRIEVAL OR (DATA OR INFORMATION OR FILE OR FILES) (2N)-
(RECOVERY OR RESTOR??? OR RESTORATION)
S28 74 S26 AND S27
S29 20 HIERARCHICAL OR (TWO OR 2 OR SECOND OR 2ND OR TWOFOLD OR D-
UAL OR PLURAL OR PLURALITY OR MULTIPLE? OR MULTI OR PAIR???) (2-
N) (LEVEL OR LEVELS OR TIER?? OR SOFTWARE() (AGENT OR AGENTS OR
COMPONENT OR COMPONENTS))
S30 20 S28(S)S29
S31 19 S28(10N)S29
S32 18 S28(7N)S29
S33 18 IDPAT (sorted in duplicate/non-duplicate order)
S34 16 IDPAT (primary/non-duplicate records only)
S35 92 S23 NOT S24
S36 1 S27 AND S35
S37 0 S29 AND S35
S38 17 S34 OR S36

38/3,K/1 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01371531

SYSTEM AND METHOD FOR PERFORMING AUXILIARY STORAGE OPERATIONS
SYSTEME ET PROCEDE POUR REALISER DES OPERATIONS DANS DES MEMOIRES
AUXILIAIRES

Patent Applicant/Assignee:

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US (Residence), US (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

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LLP, 900 Third Avenue, New York, NY 10022, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200653050 A2 20060518 (WO 0653050)
Application: WO 2005US40606 20051108 (PCT/WO US2005040606)
Priority Application: US 2004626076 20041108

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KN KP KR
KZ LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG
PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC
VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL
PL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7444

Fulltext Availability:

Detailed Description

Detailed Description

... is incorporated herein by reference in its entirety.

Application Serial No. 09/354,058, titled **HIERARCHICAL BACKUP AND
RETRIEVAL SYSTEM**, filed July 15, 1999, attorney docket number 4982/5;
U.S. Patent No. 6...

...May 5, 2004,
attorney docket number 4982/35;
Application Serial No. 10/877,831 titled **HIERARCHICAL SYSTEM AND
METHOD FOR PERFORMING STORAGE OPERATIONS IN A COMPUTER NETWOM**
filed June 25, 2004, attorney docket number 4982/39; and...

...invention are now described with reference to the drawings in the Figures. Referring to Fig. 2, a **tiered storage** system 300 in accordance with an embodiment of the invention is shown which allows for
...

38/3,K/2 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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01243222 **Image available**
SYSTEMS AND METHODS FOR PERFORMING STORAGE OPERATIONS USING NETWORK ATTACHED STORAGE
SYSTEMES ET PROCEDES D'EXECUTION D'OPERATIONS DE STOCKAGE AU MOYEN D'UNE MEMOIRE ATTACHEE A UN RESEAU

Patent Applicant/Assignee:

COMMVAULT SYSTEMS INC, Two Crescent Place, Oceanport, NJ 07757-0090, US,
US (Residence), US (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

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Legal Representative:

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900 Third Avenue, New York, NY 10022, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200550381 A2-A3 20050602 (WO 0550381)
Application: WO 2004US38278 20041115 (PCT/WO US2004038278)
Priority Application: US 2003519949 20031113

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LU MC NL PL PT
RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6398

Fulltext Availability:

Detailed Description

English Abstract

Systems and methods for performing **hierarchical storage** operations on electronic data in a computer network (90) are provided. In one embodiment, the...

Detailed Description

... additional storage to be quickly added by connecting to a network hub or switch.

[00071 **Hierarchical storage** management (HSM) provides for the

automatic
3 / 24
movement of files from hard disk to...

38/3,K/3 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01168932 **Image available**
REMOTE DISASTER DATA RECOVERY SYSTEM AND METHOD
SYSTEME ET PROCEDE DE RECUPERATION DE DONNEES A DISTANCE APRES SINISTRE
Patent Applicant/Assignee:
COMMVAULT SYSTEMS INC, 2 Crescent Place, Oceanport, NJ 07757-0090, US, US
(Residence), US (Nationality)
Inventor(s):
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ZHOU Lixin, 225 Plum Drive, Marlboro, NJ 07746, US,
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MAY Andreas, 1 Carter Drive, Marlboro, NJ 07746, US,
Legal Representative:
WOODS James J (et al) (agent), Brown Raysman Millstein Felder & Steiner
LLP, 900 Third Avenue, New York, NY 10022, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200490676 A2-A3 20041021 (WO 0490676)
Application: WO 2004US10668 20040405 (PCT/WO US04010668)
Priority Application: US 2003460226 20030403
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8193

Fulltext Availability:
Detailed Description

Detailed Description
... 2000, attorney docket number 4982/9;
Application Serial No. 09/3 54,05 8, titled **HIERARCHICAL BACKUP**
AND **RETRIEVAL** SYSTEM, filed July 15, 1999, attorney docket number
4982/5;
Application Serial No. 09/774...

38/3,K/4 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01112055 **Image available**
Caryn S. Wesner-Early EIC 3600 08-Dec-06

SYSTEM AND METHOD FOR MANAGING STORED DATA
SYSTEME ET PROCEDE DE GESTION DE DONNEES STOCKEES

Patent Applicant/Assignee:

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(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

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Legal Representative:

STEVEN Rubin S (agent), Brown Raysman Millstein Felder & Stein LLP, 900
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200434197 A2-A3 20040422 (WO 0434197)
Application: WO 2003US31641 20031007 (PCT/WO US03031641)
Priority Application: US 2002416717 20021007; US 2002416699 20021007

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD
SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12096

Fulltext Availability:

Detailed Description

Detailed Description

... August 5, 2000, attorney docket number 044463-0023;
Application Serial No. 09/354,058, titled **HIERARCHICAL STORAGE AND
RETRIEVAL SYSTEM**, filed July 15, 1999, attorney docket number 044463
0014;
Application Serial No. 09/774...

38/3,K/8 (Item 8 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00998809

SYSTEM AND METHOD FOR ARCHIVING OBJECTS IN AN INFORMATION STORE
SYSTEME ET PROCEDE PERMETTANT D'ARCHIVER DES OBJETS DANS UNE MEMOIRE
D'INFORMATIONS

Patent Applicant/Assignee:

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WANG Zhao, 10 Kroeger Lane, Piscataway, NJ 08854, US,
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IYER Tinku, 4100 Ponytail Drive, Apt. 506, Mississauga, Ontario L4W 2Y1,
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Legal Representative:

OSTROW Seth H (agent), Brown Raysman Millstein Felder & Steiner LLP, 900
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200327891 A1 20030403 (WO 0327891)
Application: WO 2002US31205 20020930 (PCT/WO US0231205)
Priority Application: US 2001326023 20010928

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 7317

Fulltext Availability:

Detailed Description

Detailed Description

... system to
archive and retrieve application specific objects according to
embodiments of the
invention;
Fig. 2 is high- level flow chart of a method to archive application
specific objects according to embodiments of the present invention;
5 Fig. 3 is a...107 component can function independently or together with
other similar client computer 107 components.

Fig. 2 presents high- level flow chart of a method to archive
application
specific objects in accordance with embodiments of the present invention.
An archive job automatically...

38/3, K/10 (Item 10 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT
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00772868 **Image available**

MODULAR BACKUP AND RETRIEVAL SYSTEM
SYSTEME MODULAIRE DE RECHERCHE ET DE SECOURS

Patent Applicant/Assignee:

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OSHINSKY David A, 22 Francis Road, East Brunswick, NJ 08816, US
PRAHLAD Anand, 3 Bucknell Drive, East Brunswick, NJ 08816, US

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200106368 A1 20010125 (WO 0106368)
Application: WO 2000US19329 20000717 (PCT/WO US0019329)
Priority Application: US 99354063 19990715
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 8837

Fulltext Availability:

Detailed Description
Claims

Detailed Description

... where the second software agent is communicatively coupled to at least one library media. The **second software agent** controls and manages the physical **backup** of data onto the library media.

Another embodiment of the backup and retrieval system uses...

...and may reside in any combination on a single computing device. Exemplary embodiments of the **backup** system may take the form where first **software agent** and the **second software agent** operate on the same computing device, where the first and third software agents operate on...

...the course of creating an archive on the library media. Thus, the location of the **archived** data is **preserved**,

3

and the **second software agent** communicates at least part of the indexed information to the first software agent. Also, the...

Claim

... unit, the second software agent communicatively coupled to the first software agent; at least one **storage** device communicatively coupled to the second **software agent**, the **second software agent** controlling physical **backup** of data onto the at least one storage device; and the first software agent controlling the **second software agent**.

2 The **backup** and **retrieval** system of claim 1 further comprising a third software agent that controls backups of a...

38/3,K/11 (Item 11 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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00772867 **Image available**
HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM
SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE
Patent Applicant/Assignee:

COMMVAULT SYSTEMS INC, 2 Crescent Place, Oceanport, NJ 07757-0900, US, US
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Inventor(s):

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KAVURI Srinivas, 40 Maple Court, Highland Park, NJ 08904, US
OSHINSKY David A, 22 Francis Road, East Brunswick, NJ 08816, US
PRAHLAD Anand, 3 Bucknell Drive, East Brunswick, NJ 08816, US

Legal Representative:

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Congress Avenue, Austin, TX 78701, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200106367 A1 20010125 (WO 0106367)
Application: WO 2000US19324 20000717 (PCT/WO US0019324)
Priority Application: US 99354058 19990715
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 6616

HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM

Fulltext Availability:

Detailed Description

English Abstract

The invention is a **hierarchical backup** system. The interconnected network computing devices are put into groups of backup cells. A backup
...

...in communication. Thus, the first software agent can direct or alter the parameters of the **second software agent** to define a new **backup** regimen for the **backup** cell controlled by the **second software agent**. Or, if the second software agent fails or cannot function properly, the first software agent can direct the **backup** of the **second** cell. The **software agents** need not operate on separate computing devices. Additionally, a backup hierarchy may be achieved using...

Detailed Description

TITLE: **HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM**

SPECIFICATION

CROSS-REFERENCE To RELATED APPLICATIONS

The present application claims priority to U.S. Patent Application Serial No.

09/354,058, entitled " **Hierarchical Backup and Retrieval System**,"
(Attorney Docket No.

044463.0014), filed July 15, 1999.

BACKGROUND OF THE INVENTION

I...

...is directed to storage and retrieval systems. In particular, the invention is directed towards a **hierarchical storage** and **retrieval** system for a computer or a series of interconnected computers.

2. Related Art

Conventional backup...

...first software agent makes archival requests directed to the backup device or devices to initiate **archival** requests, including **backups** and restores.

A **second software agent**, operating on the second network device, supervises the operation of the first **software agent**. The **second software agent** is able to initiate **archival** function requests to the **backup** device or devices independent from the first **software agent**.

Additionally, the **second software agent** may make an **archival** request directly to the first software agent, which then initiates the actual request directed to...

...device. The backup system of claim 1 wherein the first software agent is responsive to **archival** function requests from the second **software agent**. Or, the **second software agent** may change the operational parameters of the first software agent, thus allowing the **second software agent** to set administrative control of the **backup** of the network computing devices.

The first software agent communicates information on the status...

...also communicates the status of the network computing devices that it is responsible for to the **second software agent**. This allows the second software agent to stand in for the first software agent when the first software agent is unable to perform at its full functionality. The **second software agent** is able to manage the **backup** of the network

3

computing devices that the first software agent is responsible for when

...

...is able to initiate a change in the operational parameters as described by the manager **software component**. Thus, the **second software component** may administer the characteristics of the **backup** policy of the manager software component.

In one embodiment, the second software component executes on...

...of a second group of network devices.

Or, the manager software component can operate the **backup** activities of a **backup** cell. Additionally, the **second software component** can operate the **backup** activities of a second backup cell, as well as manage or supervise the manager software component operating the first cell. Thus, a **hierarchical** structure in a **backup** system can be defined.

In another embodiment, the network computer system has a first group... agent. The second software agent receives information on the first domain, and as such, the **second software agent** may operate the **back up** activities of the first domain.

The **second software agent** can manage a second group of network devices in the second domain in a similar...

...follow.

6

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a block diagram of a **hierarchical** network **backup** system according to the invention.

Fig. 2 is functional block diagram of an embodiment of the **hierarchical**

backup system of Fig. I embodying data transfer between the components comprising the individual backup cell...
...network system depicted in Fig. 3.

Fig. 5 is a block diagram of an exemplary **hierarchical backup** network according to the
invention.

7

DETAILED DESCRIPTION OF THE INVENTION

Fig. I is a block diagram of a **hierarchical** network **backup** system according to the invention. A backup cell I 00 comprises a plurality of network...detailed in this application.

Fig. 2 is functional block diagram of an embodiment of the **hierarchical backup** system of Fig. I embodying data transfer between the components comprising the individual backup cell...and physical backup cells by name.

Fig. 5 is a block diagram of an exemplary **hierarchical backup** network according to the invention. Each bubble represents a physical backup cell, as described previously...

..514, and vice versa. In any case, this is possible and can be implemented.

The **backup** cell 520 contains several **hierarchical** portions. First, the domain "Company.niktg" is contained in the backup cell 520. The manager...

38/3,K/12 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Thomson. All rts. reserv.

00771260 **Image available**
MODULAR BACKUP AND RETRIEVAL SYSTEM USED IN CONJUNCTION WITH A STORAGE AREA NETWORK
SYSTEME MODULAIRE DE SAUVEGARDE ET DE RECUPERATION UTILISE CONJOINTEMENT AVEC UN RESEAU A ZONE DE MEMOIRE

Patent Applicant/Assignee:

COMMVAULT SYSTEMS INC, 2 Crescent Place, Oceanport, NJ 07757-0900, US, US
(Residence), US (Nationality)

Inventor(s):

CRESCENTI John, 1 Ivy Road, Freehold, NJ 07728, US
KAVURI Srinivas, 40 Maple Court, Highland Park, NJ 08904, US
OSHINSKY David A, 22 Francis Road, East Brunswick, NJ 08816, US
PRAHLAD Anand, 3 Bucknell Drive, East Brunswick, NJ 08816, US

Legal Representative:

BENNETT James D, Akin, Gump, Strauss, Hauer & Feld, L.L.P., Suite 1900,
816 Congress Avenue, Austin, TX 78701, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200104756 A1 20010118 (WO 0104756)

Application: WO 2000US19364 20000714 (PCT/WO US0019364)

Priority Application: US 99143743 19990714; US 99143744 19990714; US
2000610738 20000706

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 5676

Fulltext Availability:
Detailed Description

Detailed Description

... computer networks. In particular, the present invention is directed towards the implementation of a distributed, **hierarchical backup** system with a **storage area network (SAN)** system.

. Related Art.

Conventional backup devices commonly employ a monolithic backup and...

38/3,K/13 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corporation. All rts. reserv.

0015473364 - Drawing available
WPI ACC NO: 2005-811201/200582

XRPX Acc No: N2005-672585

Hierarchical **system for performing storage operations in computer network, has storage manager component programmed to instruct another component, regarding performance of storage operations in storage operation cell**

Patent Assignee: BUNTE A G (BUNT-I); COMMVAULT SYSTEMS INC (COMM-N); KAVURI S (KAVU-I); LUNDE N R (LUND-I); MADEIRA A D (MADE-I); MAY A (MAYA-I); PRAHLAD A (PRAH-I); SCHWARTZ J (SCHW-I)

Inventor: BUNTE A G; KAVURI S; LUNDE N R; MADEIRA A D; MAY A; PRAHLAD A; SCHWARTZ J; SCHWARTZ J A

Patent Family (5 patents, 108 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2005109212	A2	20051117	WO 2005US15202	A	20050502	200582 B
US 20060053261	A1	20060309	US 2004567178	P	20040430	200618 E
			US 2005120619	A	20050502	
US 20060053262	A1	20060309	US 2004567178	P	20040430	200618 E
			US 2005120661	A	20050502	
US 20060053263	A1	20060309	US 2004567178	P	20040430	200618 E
			US 2005120662	A	20050502	
US 20060064555	A1	20060323	US 2004567178	P	20040430	200622 E
			US 2005120634	A	20050502	

Priority Applications (no., kind, date): US 2005120662 A 20050502; US 2005120661 A 20050502; US 2005120634 A 20050502; US 2005120619 A 20050502; US 2004567178 P 20040430

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2005109212	A2	EN	84	10	

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

US 20060053261	A1	EN	Related to Provisional	US 2004567178
US 20060053262	A1	EN	Related to Provisional	US 2004567178

US 20060053263 A1 EN
US 20060064555 A1 EN

Related to Provisional US 2004567178
Related to Provisional US 2004567178

Hierarchical system for performing storage operations in computer network, has storage manager component programmed to instruct another component, regarding performance...

Alerting Abstract USE - For performing storage operations including snapshot copies, archive copies, hierarchical storage management (HSM) copies, backup copies and other copies of electronic data in computer network including server, workstation, personal computer...

Original Publication Data by Authority

Original Abstracts:

The present invention provides systems and methods for data storage . A hierarchical storage management architecture is presented to facilitate data management. The disclosed system provides methods for evaluating...

...The present invention provides systems and methods for data storage . A hierarchical storage management architecture is presented to facilitate data management. The disclosed system provides methods for evaluating...

...The present invention provides systems and methods for data storage . A hierarchical storage management architecture is presented to facilitate data management. The disclosed system provides methods for evaluating...

...The present invention provides systems and methods for data storage . A hierarchical storage management architecture is presented to facilitate data management. The disclosed system provides methods for evaluating...

...The present invention provides systems and methods for data storage . A hierarchical storage management architecture is presented to facilitate data management. The disclosed system provides methods for evaluating...

38/3,K/14 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2006 The Thomson Corporation. All rts. reserv.

0015095192 - Drawing available
WPI ACC NO: 2005-444660/200545

XRPX Acc No: N2005-361402

Data accessing method in network attached storage device, involves providing stub at initial location of data in primary storage for redirecting network device to secondary storage having data copied from primary storage

Patent Assignee: COMMVAULT SYSTEMS INC (COMM-N); PRAHLAD A (PRAH-I); SCHWARTZ J (SCHW-I)

Inventor: PRAHLAD A; SCHWARTZ J; SCHWARTZ J A

Patent Family (2 patents, 106 countries)

Patent Number	Kind	Date	Number	Kind	Date	Update
WO 2005050381	A2	20050602	WO 2004US38278	A	20041115	200545 B
US 20060010154	A1	20060112	US 2003519949	P	20031113	200605 E
			US 2004990360	A	20041115	

Priority Applications (no., kind, date): US 2004990360 A 20041115; US 2003519949 P 20031113

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2005050381	A2	EN	32	6	
National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW					
Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW					
US 20060010154	A1	EN			Related to Provisional US 2003519949

Original Publication Data by Authority**Original Abstracts:**

Systems and methods for performing **hierarchical storage** operations on electronic data in a computer network are provided. In one embodiment, the present...

...Systems and methods for performing **hierarchical storage** operations on electronic data in a computer network are provided. In one embodiment, the present...

38/3,K/16 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX
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0010760500 - Drawing available
WPI ACC NO: 2001-374125/200139

XRPX Acc No: N2001-273747

Hierarchical network backup system for interconnected computer, has backup managers in backup cells, for controlling backup of data in backup devices of same and other backup cells

Patent Assignee: COMMVAULT SYSTEMS INC (COMM-N)

Inventor: CRESCENTI J; KAVURI S; OSHINSKY D A; PRAHLAD A; OSHINSKY A

Patent Family (6 patents, 25 countries)

Patent	Application					
Number	Kind	Date	Number	Kind	Date	Update
WO 2001006367	A1	20010125	WO 2000US19324	A	20000717	200139 B
EP 1204922	A1	20020515	EP 2000947402	A	20000717	200239 E
			WO 2000US19324	A	20000717	
EP 1204922	B1	20050622	EP 2000947402	A	20000717	200541 E
			WO 2000US19324	A	20000717	
DE 60020978	E	20050728	DE 60020978	A	20000717	200551 E
			EP 2000947402	A	20000717	
			WO 2000US19324	A	20000717	
ES 2243283	T3	20051201	EP 2000947402	A	20000717	200625 E
DE 60020978	T2	20060427	DE 60020978	A	20000717	200629 E
			EP 2000947402	A	20000717	
			WO 2000US19324	A	20000717	

Priority Applications (no., kind, date): US 1999354058 A 19990715

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2001006367	A1	EN	34	5	

Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE
 IT LU MC NL PT SE
 EP 1204922 A1 EN PCT Application WO 2000US19324
 Based on OPI patent WO 2001006367
 Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR
 IE IT LI LT LU LV MC MK NL PT RO SE SI
 EP 1204922 B1 EN PCT Application WO 2000US19324
 Based on OPI patent WO 2001006367
 Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE
 IT LI LU MC NL PT SE
 DE 60020978 E DE Application EP 2000947402
 PCT Application WO 2000US19324
 Based on OPI patent EP 1204922
 Based on OPI patent WO 2001006367
 ES 2243283 T3 ES Application EP 2000947402
 Based on OPI patent EP 1204922
 DE 60020978 T2 DE Application EP 2000947402
 PCT Application WO 2000US19324
 Based on OPI patent EP 1204922
 Based on OPI patent WO 2001006367

Hierarchical network backup system for interconnected computer, has backup managers in backup cells, for controlling backup of data in backup devices of same and...

Original Titles:

... HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM...
 ... HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM...
 ... HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM

Alerting Abstract ...manager operates the backup activities of back up cell and manages the operation of other **backup** cells to define a **hierarchical** structure so that alternative control of another **backup** cell is used when the backup manager of another backup cell has failed. Hence system...

...DESCRIPTION OF DRAWINGS - The figure shows the block diagram **hierarchical** network **backup** system...

Original Publication Data by Authority

Original Abstracts:

The invention is a **hierarchical** **backup** system. The interconnected network computing devices are put into groups of backup cells. A backup...

...in communication. Thus, the first software agent can direct or alter the parameters of the **second** **software** **agent** to define a new **backup** regimen for the **backup** cell controlled by the **second** **software** **agent**. Or, if the second software agent fails or cannot function properly, the first software agent can direct the **backup** of the **second** cell. The **software** **agents** need not operate on separate computing devices. Additionally, a backup hierarchy may be achieved using...

...The invention is a **hierarchical** **backup** system. The interconnected network computing devices are put into groups of backup cells. A backup...

...in communication. Thus, the first software agent can direct or alter the

38/AA,AN,AZ,TI/1 (Item 1 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01371531
SYSTEM AND METHOD FOR PERFORMING AUXILIARY STORAGE OPERATIONS
SYSTEME ET PROCEDE POUR REALISER DES OPERATIONS DANS DES MEMOIRES
AUXILIAIRES
Application: WO 2005US40606 20051108 (PCT/WO US2005040606)

38/AA,AN,AZ,TI/2 (Item 2 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01243222
SYSTEMS AND METHODS FOR PERFORMING STORAGE OPERATIONS USING NETWORK ATTACHED STORAGE
SYSTEMES ET PROCEDES D'EXECUTION D'OPERATIONS DE STOCKAGE AU MOYEN D'UNE MEMOIRE ATTACHEE A UN RESEAU
Application: WO 2004US38278 20041115 (PCT/WO US2004038278)

38/AA,AN,AZ,TI/3 (Item 3 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01168932
REMOTE DISASTER DATA RECOVERY SYSTEM AND METHOD
SYSTEME ET PROCEDE DE RECUPERATION DE DONNEES A DISTANCE APRES SINISTRE
Application: WO 2004US10668 20040405 (PCT/WO US04010668)

38/AA,AN,AZ,TI/4 (Item 4 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01112055
SYSTEM AND METHOD FOR MANAGING STORED DATA
SYSTEME ET PROCEDE DE GESTION DE DONNEES STOCKEES
Application: WO 2003US31641 20031007 (PCT/WO US03031641)

38/AA,AN,AZ,TI/5 (Item 5 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01101484
DYNAMIC STORAGE DEVICE POOLING IN A COMPUTER SYSTEM
MISE EN COMMUN D'UNE MEMOIRE DYNAMIQUE DANS UN SYSTEME INFORMATIQUE
Application: WO 2003US28319 20030909 (PCT/WO US03028319)

38/AA,AN,AZ,TI/6 (Item 6 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01017719
METHOD AND SYSTEM FOR SCHEDULING MEDIA EXPORTS
PROCEDE ET SYSTEME PERMETTANT DE PROGRAMMER DES EXPORTATIONS DE SUPPORTS
Application: WO 2002US37693 20021122 (PCT/WO US0237693)

38/AA,AN,AZ,TI/7 (Item 7 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01016707

SELECTIVE DATA REPLICATION SYSTEM AND METHOD

SYSTEME ET PROCEDE DE DUPLICATION SELECTIVE DE DONNEES

Application: WO 2002US37838 20021125 (PCT/WO US0237838)

38/AA,AN,AZ, TI/8 (Item 8 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00998809

SYSTEM AND METHOD FOR ARCHIVING OBJECTS IN AN INFORMATION STORE

**SYSTEME ET PROCEDE PERMETTANT D'ARCHIVER DES OBJETS DANS UNE MEMOIRE
D'INFORMATIONS**

Application: WO 2002US31205 20020930 (PCT/WO US0231205)

38/AA,AN,AZ, TI/9 (Item 9 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00998151

SYSTEM AND METHOD FOR GENERATING AND MANAGING QUICK RECOVERY VOLUMES

**SYSTEME ET PROCEDE DE GENERATION ET DE GESTION DE VOLUMES DE RAPIDE
RECUPERATION**

Application: WO 2002US31206 20020930 (PCT/WO US0231206)

38/AA,AN,AZ, TI/10 (Item 10 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00772868

MODULAR BACKUP AND RETRIEVAL SYSTEM

SYSTEME MODULAIRE DE RECHERCHE ET DE SECOURS

Application: WO 2000US19329 20000717 (PCT/WO US0019329)

38/AA,AN,AZ, TI/11 (Item 11 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00772867

HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM

SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE

Application: WO 2000US19324 20000717 (PCT/WO US0019324)

38/AA,AN,AZ, TI/12 (Item 12 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00771260

**MODULAR BACKUP AND RETRIEVAL SYSTEM USED IN CONJUNCTION WITH A STORAGE AREA
NETWORK**

**SYSTEME MODULAIRE DE SAUVEGARDE ET DE RECUPERATION UTILISE CONJOINTEMENT
AVEC UN RESEAU A ZONE DE MEMOIRE**

Application: WO 2000US19364 20000714 (PCT/WO US0019364)

38/AA,AN,AZ, TI/13 (Item 1 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0015473364

WPI ACC NO: 2005-811201/

Hierarchical system for performing storage operations in computer network, has storage manager component programmed to instruct another component, regarding performance of storage operations in storage operation cell

Original Titles:

Hierarchical systems and methods for providing a unified view of storage information

Systems and methods for detecting & mitigating storage risks

Systems and methods for generating a storage-related metric

Systems and methods for storage modeling & costing

HIERARCHICAL SYSTEMS AND METHODS FOR PROVIDING A UNIFIED VIEW OF STORAGE INFORMATION

SYSTEMES ET PROCEDES HIERARCHIQUES PERMETTANT D'OBTENIR UNE VUE UNIFIEE D'INFORMATIONS DE STOCKAGE

Local Applications (No Type Date): WO 2005US15202 A 20050502; US 2004567178 P 20040430; US 2005120619 A 20050502; US 2004567178 P 20040430; US 2005120661 A 20050502; US 2004567178 P 20040430; US 2005120662 A 20050502; US 2004567178 P 20040430; US 2005120634 A 20050502

Priority Applications (no., kind, date): US 2005120662 A 20050502; US 2005120661 A 20050502; US 2005120634 A 20050502; US 2005120619 A 20050502; US 2004567178 P 20040430

38/AA,AN,AZ, TI/14 (Item 2 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0015095192

WPI ACC NO: 2005-444660/

Data accessing method in network attached storage device, involves providing stub at initial location of data in primary storage for redirecting network device to secondary storage having data copied from primary storage

Original Titles:

Systems and methods for performing storage operations using network attached storage

SYSTEMS AND METHODS FOR PERFORMING STORAGE OPERATIONS USING NETWORK ATTACHED STORAGE

SYSTEMES ET PROCEDES D'EXECUTION D'OPERATIONS DE STOCKAGE AU MOYEN D'UNE MEMOIRE ATTACHEE A UN RESEAU

Local Applications (No Type Date): WO 2004US38278 A 20041115; US 2003519949 P 20031113; US 2004990360 A 20041115

Priority Applications (no., kind, date): US 2004990360 A 20041115; US 2003519949 P 20031113

38/AA,AN,AZ, TI/15 (Item 3 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014824243

WPI ACC NO: 2005-171933/

Electronic data storage operation e.g. snapshot copy, performing method for use in computer network, has master storage manager communicating with manager agent of each storage operation cell for performing storage operations

Original Titles:

Hierarchical system and method for performing storage operations in a computer network

Local Applications (No Type Date): US 2003482305 P 20030625; US 2004877831 A 20040625

Priority Applications (no., kind, date): US 2003482305 P 20030625; US 2004877831 A 20040625

38/AA,AN,AZ, TI/16 (Item 4 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0010760500

WPI ACC NO: 2001-374125/

Hierarchical network backup system for interconnected computer, has backup managers in backup cells, for controlling backup of data in backup devices of same and other backup cells

Original Titles:

HIERARCHISCHE DATENSICHERUNG- UND WIEDERAUFFINDUNGSSYSTEM

HIERARCHISCHE DATENSICHERUNG- UND WIEDERAUFFINDUNGSSYSTEM

HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM

SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE

HIERARCHISCHE DATENSICHERUNG- UND WIEDERAUFFINDUNGSSYSTEM

HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM

SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE

HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM

SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE

Local Applications (No Type Date): WO 2000US19324 A 20000717; EP 2000947402 A 20000717; WO 2000US19324 A 20000717; EP 2000947402 A 20000717; WO 2000US19324 A 20000717; DE 60020978 A 20000717; EP 2000947402 A 20000717; WO 2000US19324 A 20000717; EP 2000947402 A 20000717; DE 60020978 A 20000717; EP 2000947402 A 20000717; WO 2000US19324 A 20000717

Priority Applications (no., kind, date): US 1999354058 A 19990715

38/AA,AN,AZ, TI/17 (Item 1 from file: 484)

DIALOG(R)File 484:(c) 2006 ProQuest. All rts. reserv.

03097956

Alger Hiss and the intellectuals: The meaning of an enduring controversy

*Bibliographie
Patent
files*

? show files;ds
File 347:JAPIO Dec 1976-2006/Aug (Updated 061130)
 (c) 2006 JPO & JAPIO
File 350:Derwent WPIX 1963-2006/UD=200678
 (c) 2006 The Thomson Corporation
File 371:French Patents 1961-2002/BOPI 200209
 (c) 2002 INPI. All rts. reserv.

Set	Items	Description
S1	180261	(NETWORK?? OR INTERCONNECTED) (3N) (COMPUTER OR SYSTEM OR DISTRIBUTED) OR LAN OR WAN OR (LOCAL OR WIDE) () AREA() (NETWORK OR NETWORKS)
S2	97588	HIERARCHICAL OR (TWO OR 2 OR SECOND OR 2ND OR TWOFOOLD OR DUAL OR PLURAL OR PLURALITY OR MULTIPLE? OR MULTI OR PAIR??) (2-N) (LEVEL OR LEVELS OR TIER?? OR SOFTWARE() (AGENT OR AGENTS OR COMPONENT OR COMPONENTS))
S3	2298558	BACK???() (UP OR UPS) OR BACKUP OR BACKUPS OR STORAGE OR ARCHIV??? OR RECORDING OR PRESERV??? OR PRESERVATION OR RETENTION OR RETRIEVAL OR (DATA OR INFORMATION OR FILE OR FILES) (2N)- (RECOVERY OR RESTOR??? OR RESTORATION)
S4	3958	MAINTAIN??? OR MAINTENANCE) (2N) (METRICS OR ALGOR?THM? ? OR FORMULA? ? OR PARAMET? OR RULE OR RULES) OR INITIAT??? (2N) (REQUEST OR REQUESTS OR ARCHIVAL OR ARCHIVING OR BACKUP OR RESTORE OR RESTORES)
S5	2638510	SUPERVISE OR SUPERVISES OR SUPERVISING OR ADMINISTER OR ADMINISTRATION OR MANAGE OR MANAGES OR MANAGING OR OPERATES OR INDEPENDENT???
S6	25	S1 (10N) ((S2 (5N) S3) OR HSM)
S7	76	S4 (10N) S5
S8	1	S6 (S) S7
S9	1	S6 AND S7
S10	90	S1 (S) ((S2 (7N) S3) OR HSM)
S11	121	S4 (20N) S5
S12	1	S10 AND S11
S13	9	S1 AND S2 AND S3 AND S4 AND S5
S14	1365956	IC=G06F
S15	8	S13 AND S14
S16	8	IDPAT (sorted in duplicate/non-duplicate order)
S17	8	IDPAT (primary/non-duplicate records only)

17/3,K/4 (Item 4 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2006 The Thomson Corporation. All rts. reserv.

0010760500 - Drawing available
WPI ACC NO: 2001-374125/200139
XRPX Acc No: N2001-273747

Hierarchical network backup system for interconnected computer,
has backup managers in backup cells, for controlling backup of data
in backup devices of same and other backup cells

Patent Assignee: COMMVAULT SYSTEMS INC (COMM-N)

Inventor: CRESCENTI J; KAVURI S; OSHINSKY D A; PRAHLAD A; OSHINSKY A

Patent Family (6 patents, 25 countries)

Patent Number	Application					
	Kind	Date	Number	Kind	Date	Update
WO 2001006367	A1	20010125	WO 2000US19324	A	20000717	200139 B
EP 1204922	A1	20020515	EP 2000947402	A	20000717	200239 E
			WO 2000US19324	A	20000717	
EP 1204922	B1	20050622	EP 2000947402	A	20000717	200541 E
			WO 2000US19324	A	20000717	
DE 60020978	E	20050728	DE 60020978	A	20000717	200551 E
			EP 2000947402	A	20000717	
			WO 2000US19324	A	20000717	
ES 2243283	T3	20051201	EP 2000947402	A	20000717	200625 E
DE 60020978	T2	20060427	DE 60020978	A	20000717	200629 E
			EP 2000947402	A	20000717	
			WO 2000US19324	A	20000717	

Priority Applications (no., kind, date): US 1999354058 A 19990715

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2001006367	A1	EN	34	5	
Regional Designated States,Original:	AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE				
EP 1204922	A1	EN			PCT Application WO 2000US19324 Based on OPI patent WO 2001006367
Regional Designated States,Original:	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				
EP 1204922	B1	EN			PCT Application WO 2000US19324 Based on OPI patent WO 2001006367
Regional Designated States,Original:	AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE				
DE 60020978	E	DE			Application EP 2000947402 PCT Application WO 2000US19324 Based on OPI patent EP 1204922 Based on OPI patent WO 2001006367
ES 2243283	T3	ES			Application EP 2000947402 Based on OPI patent EP 1204922
DE 60020978	T2	DE			Application EP 2000947402 PCT Application WO 2000US19324 Based on OPI patent EP 1204922 Based on OPI patent WO 2001006367

Hierarchical network backup system for interconnected computer,
has backup managers in backup cells, for controlling backup of data
in backup devices of same and other backup cells

Original Titles:

... HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM...

... HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM...

... HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM

Alerting Abstract ... NOVELTY - **Backup** cells (100,150) having **backup** devices (112,122,132,162,172,182) execute the **backup** of data in the network computing devices (110,120,130,160,170,180). Managers (114,164) coupled to **backup** devices (112,162) control the **backup** of data in relative **backup** devices. **Backup** cells are coupled mutually and the managers of one **backup** cell controls the **backup** devices of other **backup** cells. USE - In **interconnected computer** systems...

...ADVANTAGE - Manager is responsible for **managing** parameters of **archival** characteristics of network devices to **initiate** **archival request** for those network computing devices. The manager **operates** the **backup** activities of **back up** cell and **manages** the operation of other **backup** cells to define a **hierarchical** structure so that alternative control of another **backup** cell is used when the **backup** manager of another **backup** cell has failed. Hence system wide change to **backup** cell parameters is initiated through a single manager and propagated to other **backup** cells...

...DESCRIPTION OF DRAWINGS - The figure shows the block diagram **hierarchical network backup system**.

...

...100,150 **Backup** cells...

...114,164 **Backup** manager components...

...112,122,132,162,172,182 **Backup** devices

Class Codes

International Classification (Main): **G06F-011/14**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0011/00 ...

... **G06F-0011/14** ...

... **G06F-0011/20** ...

... **G06F-0011/14**

G06F-0011/00 ...

... **G06F-0011/14** ...

... **G06F-0011/20**

Original Publication Data by Authority

Original Abstracts:

The invention is a **hierarchical backup system**. The **interconnected network** computing devices are put into groups of **backup** cells. A **backup** cell has a manager software agent responsible for maintaining and **initiating** a **backup** regime for the network computing devices in the **backup** cell. The **backups** are directed to **backup** devices within the **backup** cell. Several **backup** cells can be defined. A manager software agent for a particular cell may be placed...

...in communication. Thus, the first software agent can direct or alter the parameters of the second software agent to define a new backup regimen for the backup cell controlled by the second software agent. Or, if the second software agent fails or cannot function properly, the first software agent can direct the backup of the second cell. The software agents need not operate on separate computing devices. Additionally, a backup hierarchy may be achieved using the communication and control techniques of the software agents...

...The invention is a hierarchical backup system. The interconnected network computing devices are put into groups of backup cells. A backup cell has a manager software agent responsible for maintaining and initiating a backup regime for the network computing devices in the backup cell. The backups are directed to backup devices within the backup cell. Several backup cells can be defined. A manager software agent for a particular cell may be placed...

...in communication. Thus, the first software agent can direct or alter the parameters of the second software agent to define a new backup regimen for the backup cell controlled by the second software agent. Or, if the second software agent fails or cannot function properly, the first software agent can direct the backup of the second cell. The software agents need not operate on separate computing devices. Additionally, a backup hierarchy may be achieved using the communication and control techniques of the software agents...

Claims:

...A backup and retrieval system for a network computing system, the network computing system comprising a plurality of network devices (110, 120, 130, 160, 170, 180) storing data to be backed up, said backup and retrieval system comprising: a plurality of backup cells (100, 150), each cell comprising: at least one of said plurality of network devices (110, 120, 130); a first backup device (112, 162) for executing a backup of the data stored on said at least one of said plurality of network devices (110, 120, 130); and a management component (114, 164) communicatively coupled to the backup device (112, 162) for controlling the backup of the data to the backup device (112, 162); wherein a first backup cell (100) having a first management component (114) for controlling the backup of data is communicatively coupled to at least a second of the plurality of backup cells (150) via said network said system being characterised in that a second management component (164) in the second backup cell (150) is configured to be able to control at least in part the backup of data in said first backup cell (100) instead of the first management component (114)...

17/3,K/5 (Item 5 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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0010724540 - Drawing available
WPI ACC NO: 2001-336067/200136
XRXPX Acc No: N2001-242587
Vault controller for secure multiple browser session in e-commerce uses context manager to activate keys for transferring data in storage levels and initiate application interface within domain/function as defined by URL
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: CARROLL R; CARROLL R B; FISK M; FISK M D; GHAFIR H; MARUYAMA H
Patent Family (3 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
CA 2310535	A1	20001230	CA 2310535	A	20000602	200136 B
US 20040193885	A1	20040930	US 1999343231	A	19990630	200465 E
			US 2004771107	A	20040203	
US 7013388	B2	20060314	US 1999343231	A	19990630	200620 E
			US 2004771107	A	20040203	

Priority Applications (no., kind, date): US 2004771107 A 20040203; US 1999343231 A 19990630

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
CA 2310535	A1	EN	24	4	
US 20040193885	A1	EN			Continuation of application US 1999343231
US 7013388	B2	EN			Continuation of application US 1999343231

...browser session in e-commerce uses context manager to activate keys for transferring data in storage levels and initiate application interface within domain/function as defined by URL

Alerting Abstract ...in memory as well as mechanism for importing and exporting global context to external encrypted **storage**. An external vault agent (28) running remotely incorporates a subset of vault process functionality, enabling...

...the vault controller. The vault process is multithreaded with each thread with its own local **storage** area allowing it to maintain 'state' across multiple browser-server interactions. An **INDEPENDENT** CLAIM is also included for a context manager within a vault process for maintaining state

...
...ADVANTAGE - It supports the creation, **storage** and **retrieval** of data for state maintenance of vault processes in successive browser connection as well as...

Title Terms.../Index Terms/Additional Words: **MANAGE** ; ...

... **STORAGE** ;

Class Codes

International Classification (Main): **G06F-017/30** ...
(Additional/Secondary): **G06F-017/60** ...

Original Publication Data by Authority

Original Abstracts:

A context manager supports creation, **storage** and **retrieval** of data to implement state maintenance in a vault process using "scoping" of **multiple levels of storage**. A user **request** is **initiated** by invoking an URL with embedded Application Domain and Instance Context. The URL request is ...

...establishing a secure exchange of information between an end user and a server in a **distributed network** environment are provided in accordance with a context manager. The context manager is manageable within...

...data for non-null values where a scoping level is not identified when

performing a **retrieval** operation.

Claims:

...with multiple application domains containing various applications functions, comprising;a first or global level of **storage** of variables spanning applications and available to multiple vault applications in different domains;a **second** or application **level** of **storage** defining variables common to a given application domain for a given sequence of operations within the application;a third or instance level of **storage** for the given sequence of operation within a given application domain;means for initiating the...

...a valid user request;means responsive to the vault process start-up and the user **request** to **initiate** application program interfaces applicable to context instances within an application domain and function; andmeans...

...global context for non-null values where a scoping level is not identified when performing a retrieval operation...

...in establishing a secure exchange of information between an end user and a server in a **distributed** network environment, the method comprising the steps of:in accordance with a context manager, manageable...

...instance level data for non-null values where a scoping level is not identified when **performing** a retrieval operation.

17/AN,AZ,TI/1 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013754629

Serial interrupt request generation method for computer system, involves generating low to high transition in signal line for preset duration, when interrupt request is initiated by input/output devices.

Original Titles:

Method, apparatus, and system for generating serial interrupt requests (IRQ) with power savings

Method, apparatus, and system for generating serial interrupt requests (IRQ) with power savings

Local Applications (No Type Date): US 2002143165 A 20020510; US 2002143165 A 20020510

Priority Applications (no., kind, date): US 2002143165 A 20020510

17/AN,AZ,TI/2 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0012427310

Method of responding to a request for services/information for use in computer networks such as the Internet, includes a unique identifier in the request to identify domain names that may not be registered as part of Domain Name system

Original Titles:

Providing services and information based on a request that includes a unique identifier

Providing services and information based on a request that includes a unique identifier

PROVIDING SERVICES AND INFORMATION BASED ON A REQUEST THAT INCLUDES A UNIQUE IDENTIFIER

FOURNITURE DE SERVICES ET D'INFORMATIONS FONDEE SUR UNE REQUETE INCLUANT UN IDENTIFICATEUR SPECIFIQUE

Local Applications (No Type Date): WO 2001US31309 A 20011004; AU 200211482 A 20011004; US 2000237849 P 20001004; US 2001971018 A 20011004; AU 2002211482 A 20011004

Priority Applications (no., kind, date): US 2001971018 A 20011004; US 2000237849 P 20001004

17/AN,AZ,TI/3 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0010832320

Server access request validation method in Internet, involves initiating query with key to identified contact in response to server access request to check authenticity of scan request

Original Titles:

Lightweight authentication system and method for validating a server access request.

Local Applications (No Type Date): US 1998102422 A 19980622

Priority Applications (no., kind, date): US 1998102422 A 19980622

17/AN,AZ,TI/4 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0010760500

Hierarchical network backup system for interconnected computer ,
has backup managers in backup cells, for controlling backup of data
in backup devices of same and other backup cells

Original Titles:

HIERARCHISCHE DATENSICHERUNG- UND WIEDERAUFFINDUNGSSYSTEM
HIERARCHISCHE DATENSICHERUNG- UND WIEDERAUFFINDUNGSSYSTEM

HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM

SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE

HIERARCHISCHE DATENSICHERUNG- UND WIEDERAUFFINDUNGSSYSTEM

HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM

SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE

HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM

SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE

Local Applications (No Type Date): WO 2000US19324 A 20000717; EP

2000947402 A 20000717; WO 2000US19324 A 20000717; EP 2000947402 A

20000717; WO 2000US19324 A 20000717; DE 60020978 A 20000717; EP

2000947402 A 20000717; WO 2000US19324 A 20000717; EP 2000947402 A

20000717; DE 60020978 A 20000717; EP 2000947402 A 20000717; WO

2000US19324 A 20000717

Priority Applications (no., kind, date): US 1999354058 A 19990715

17/AN,AZ,TI/5 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0010724540

Vault controller for secure multiple browser session in e-commerce uses
context manager to activate keys for transferring data in storage levels
and initiate application interface within domain/function as defined by URL

Original Titles:

Vault controller context manager and methods of operation for securely
maintaining state information between successive browser connections in an
electronic business system

Vault controller context manager and methods of operation for securely
maintaining state information between successive browser connections in an
electronic business system

Local Applications (No Type Date): CA 2310535 A 20000602; US 1999343231
A 19990630; US 2004771107 A 20040203; US 1999343231 A 19990630; US
2004771107 A 20040203

Priority Applications (no., kind, date): US 2004771107 A 20040203; US
1999343231 A 19990630

17/AN,AZ,TI/6 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0010705627

Certification services providing system in Internet environment, enforces
rights as third party beneficiary and makes contract directly with level
two participant to accept operating rules of root entity

Original Titles:

Intelligent data inventory and asset management system method and apparatus
Intelligent data inventory and asset management system method and apparatus
SYSTEM AND METHOD FOR PROVIDING CERTIFICATE-RELATED AND OTHER SERVICES
SISTÈME ET PROCEDE DE PRESTATION DE SERVICES, NOTAMMENT DE SERVICES
ORIENTES CERTIFICATION

Local Applications (No Type Date): WO 2000US24608 A 20000908; AU
200073572 A 20000908; US 1997835609 A 19970409; US 1999153327 P
19990910; US 200257595 A 20020125; US 199615327 P 19960412; US
1997835609 A 19970409; US 200257595 A 20020125
Priority Applications (no., kind, date): US 200257595 A 20020125; US
1997835609 A 19970409; US 199615327 P 19960412; US 1999153327 P
19990910

17/AN,AZ, TI/7 (Item 7 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0009206635

Data item retrieving method in client-server network for internet - directs data item request initiated from one circuit from a group to lookup table to retrieve requested data from cache memory

Original Titles:

System and method for maintaining a shared cache look-up table.

Local Applications (No Type Date): US 1996583334 A 19960105

Priority Applications (no., kind, date): US 1996583334 A 19960105

17/AN,AZ, TI/8 (Item 8 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0008833076

Asymmetrical network for coupling customer-premises Internet hosts such as personal computers to Internet - has cable router that receives message via telephone line which specifies channel on the CATV cable and logical network address and assigns IP address to host and tunes tuner to selected channel

Original Titles:

Verfahren und Vorrichtung zur Erkennung, Korrektur und Abweisung von verfaelschten Datenpaketen in einem Daten uebermittelnden Kabelsystem
System and method for detecting, correcting and discarding corrupted data packets in a cable data delivery system

Procede et systeme de detection, correction et reject de paquets de donnees alteres dans un systeme de fourniture de donnees par cable

Router for which a logical network address which is not unique to the router is the gateway address in default routing table entries

Methods for dynamically assigning link addresses and logical network addresses

Two - tiered authorization and authentication for a cable data delivery system

Router for use with a link that has a set of concurrent channels

System and method for detecting correcting and discarding corrupted data packets in a cable data delivery system.

Router which dynamically requests a set of logical network addresses and assigns addresses in the set to hosts connected to the router.

Cable modem map display for network management of a cable data delivery system.

Data traffic control in a data modem system.

Usage statistics collection for a cable data delivery system.

Two - tiered authorization and authentication for a cable data delivery system.

Dynamic allocation of a set of addresses to router RF modem for individual assignment to hosts.

Method of using routing protocols to reroute packets during a link failure Router for which a logical network address which is not unique to the router is the gateway address in default routing table entries

Router for use with a link that has a set of concurrent channels

Methods for dynamically assigning link addresses and logical network addresses

Router for use with a link that has a set of concurrent channels

Local Applications (No Type Date): EP 1998100810 A 19980119; US 199735618

P 19970117; US 1997835966 A 19970411; US 199735618 P 19970117; US 1997843056 A 19970411; US 199735618 P 19970117; US 1997840304 A 19970411; US 2001767926 A 20010123; US 199735618 P 19970117; US 1997835917 A 19970410; US 1997851066 A 19970505; US 199735618 P 19970117; US 1997992711 A 19971217; US 199735618 P 19970117; US 1997843061 A 19970411; US 2001760961 A 20010116; US 199735618 P 19970117; US 1997835917 A 19970410; US 199735618 P 19970117; US 1997835916 A 19970410; US 2001929760 A 20010814; US 199735618 P 19970117; US 1997843056 A 19970411; US 2000710382 A 20001109; US 199735618 P 19970117; US 1997837073 A 19970411; US 2001903281 A 20010711; US 199735618 P 19970117; US 1997840304 A 19970411; US 2001767926 A 20010123; US 199735618 P 19970117; US 1997838833 A 19970411; US 199735618 P 19970117; US 1997838833 A 19970411; US 2003457124 A 20030609; US 199735618 P 19970117; US 1997843061 A 19970411; US 2001760961 A 20010116; US 199735618 P 19970117; US 1997838833 A 19970411; US 2003457124 A 20030609

Priority Applications (no., kind, date): US 2003457124 A 20030609; US 2001929760 A 20010814; US 2001903281 A 20010711; US 2001767926 A 20010123; US 2001760961 A 20010116; US 2000710382 A 20001109; US 1997992711 A 19971217; US 1997851066 A 19970505; US 1997843061 A 19970411; US 1997843056 A 19970411; US 1997840304 A 19970411; US 1997838833 A 19970411; US 1997837073 A 19970411; US 1997835966 A 19970411; US 1997835917 A 19970410; US 1997835916 A 19970410; US 199735618 P 19970117

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? show files;ds
File 348:EUROPEAN PATENTS 1978-2006/ 200648
(c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20061207UT=20061130
(c) 2006 WIPO/Thomson
```

Set	Items	Description
S1	148572	(NETWORK?? OR INTERCONNECTED) (3N) (COMPUTER OR SYSTEM OR DISTRIBUTED) OR LAN OR WAN OR (LOCAL OR WIDE) () AREA() (NETWORK OR NETWORKS)
S2	149350	HIERARCHICAL OR (TWO OR 2 OR SECOND OR 2ND OR TWOFOLD OR DUAL OR PLURAL OR PLURALITY OR MULTIPLE? OR MULTI OR PAIR??) (2-N) (LEVEL OR LEVELS OR TIER?? OR SOFTWARE() (AGENT OR AGENTS OR COMPONENT OR COMPONENTS))
S3	724119	BACK???() (UP OR UPS) OR BACKUP OR BACKUPS OR STORAGE OR ARCHIV??? OR RECORDING OR PRESERV??? OR PRESERVATION OR RETENTION OR RETRIEVAL OR (DATA OR INFORMATION OR FILE OR FILES) (2N)- (RECOVERY OR RESTOR??? OR RESTORATION)
S4	15293	MAINTAIN??? OR MAINTENANCE) (2N) (METRICS OR ALGOR?THM? ? OR FORMULA? ? OR PARAMET? OR RULE OR RULES) OR INITIAT??? (2N) (REQUEST OR REQUESTS OR ARCHIVAL OR ARCHIVING OR BACKUP OR RESTORE OR RESTORES)
S5	763809	SUPERVISE OR SUPERVISES OR SUPERVISING OR ADMINISTER OR ADMINISTRATION OR MANAGE OR MANAGES OR MANAGING OR OPERATES OR INDEPENDENT??
S6	57	S1(10N)((S2(5N)S3) OR HSM)
S7	241	S4(10N)S5
S8	0	S6(S)S7
S9	173	S1(S)((S2(7N)S3) OR HSM)
S10	481	S4(20N)S5
S11	4	S9(S)S10
S12	23	S1(S)S2(S)S3(S)S4(S)S5
S13	174282	IC=G06F
S14	18	<u>S12 AND S13</u>
S15	22	<u>S11 OR S14</u>
S16	22	IDPAT (sorted in duplicate/non-duplicate order)
S17	22	IDPAT (primary/non-duplicate records only)

17/3,K/3 (Item 3 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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instant application

01258149

HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM
HIERARCHISCHE DATENSICHERUNG- UND WIEDERAUFFINDUNGSSYSTEM
SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE

PATENT ASSIGNEE:

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LEGAL REPRESENTATIVE:

Hackett, Sean James (55262), Marks & Clerk, Patent Attorneys, Alpha Tower, Suffolk Street Queensway, Birmingham B1 1TT, (GB)

PATENT (CC, No, Kind, Date): EP 1204922 A1 020515 (Basic)

EP 1204922 B1 050622

WO 2001006367 010125

APPLICATION (CC, No, Date): EP 2000947402 000717; WO 2000US19324 000717
PRIORITY (CC, No, Date): US 354058 990715

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G06F-011/14

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200525	541
CLAIMS B	(German)	200525	493
CLAIMS B	(French)	200525	687
SPEC B	(English)	200525	5397
Total word count - document A			0
Total word count - document B			7118
Total word count - documents A + B			7118

...SPECIFICATION defined in claim 1.

Embodiments of the present invention may be found in a backup **system** for a **network computing system**. The **network computer system** has a first **network device** and a second **network device**. The backup **system** has a first software agent operating on a first network device on the **network computing system**. The first software agent is communicatively coupled to at least one backup device. The first software agent maintains operational parameters for the backup regime for the **network computer system**. The first software agent makes archival requests directed to the backup device or devices to **initiate archival requests**, including **backups** and restores.

A second software agent, operating on the second network device, **supervises** the operation of the first software agent. The second software agent is able to **initiate archival function requests** to the backup device or devices **independent** from the first software agent. Additionally, the second software agent may make an archival request...

17/3,K/7 (Item 7 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT
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01091980

CHANGE NAVIGATION TOOLKIT
BOITE A OUTILS DE NAVIGATION POUR LA PRISE EN CHARGE DE CHANGEMENTS
ORGANISATIONNELS

Patent Applicant/Assignee:

ACCENTURE GLOBAL SERVICES GMBH, Geschaftshaus Herrenacker 15, 8200
Schaffhausen, CH, CH (Residence), CH (Nationality)

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Legal Representative:

MCLEISH Nicholas Alistair Maxwell (et al) (agent), Bould Wade Tennant,
Verulam Gardens, 70 Gray's Inn Road, London WC1X 8BT, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200413779 A2 20040212 (WO 0413779)
Application: WO 2003EP8573 20030731 (PCT/WO EP03008573)
Priority Application: US 2002210299 20020801

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD
SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 31125

Main International Patent Class (v7): **G06F-017/60**

Fulltext Availability:

Claims

Claim

... over communication
between client computers 120 and provide processing capabilities as well
as a common **storage** media for use by one or more client computers 120
of the network.

The server...

...device 103 for displaying information to a user of the server 1 01 , a
secondary **storage** device
104 for providing supplemental memory/ **storage** device for the server 101
which may include a database 106 for maintaining information for...

...at the client computer 120, a
client memory 124 providing for temporary and long-term **storage** of
information and programming at the client computer 120, including random
access memory and non-volatile **storage** such as a hard drive, and a
client secondary **storage** device 125 providing supplemental **storage**
for the client 120. Although not shown, the technological aspect 1 00 may
further include...may be provided through software resident within the
client computer memory 124 or client secondary **storage** 125, or via
programming resident with the server 101.

The server 101 and network 122...

...processing architecture is employed by the business processing software, the database 106 of the secondary **storage** 104, or the memory 108, may further include a library of information 150 (i.e...

...the Change Navigation Toolkit may provide a data structure as a template for use in **recording** the rules for event processing, or for **recording** any other information in configuring the business processing software for operating in the desired operational...

...not shown), where the task library may be stored in the memory 108, on secondary **storage** 104, on client memory 124 or client secondary **storage** 125, or on any other computer readable **storage** media accessible by the processor carrying out the event-based processing, as would be 1...

...hereby incorporated by reference herein.

In accordance with another embodiment of the invention, the secondary **storage** 104 or memory 108 may further include other data structures such as tasks, pre-formatted...

...Figure 2A, the Change Navigation Toolkit provides various methodology components, or portions 200, in a **hierarchical** structure, for use in carrying out a change navigation methodology in transitioning an insurance organization...

...the new claims technology system implementation, from recruiting and educating Change Navigation Team members to **managing** development efforts and monitoring transition success for the business organization. Change navigation allows for **managing** the transition of the claims organization from its existing operational environment to a desired, target...

...3.

0 Figure 3 illustrates a flow chart representing methodology which may be employed in **managing** change navigation within a business organization, in accordance with an embodiment of the invention. To **manage** change navigation efforts, a work plan and project timeline are created as shown at step...

17/3,K/8 (Item 8 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT
(c) 2006 WIPO/Thomson. All rts. reserv.

01066614 **Image available**

METHOD AND SYSTEM FOR MEDIA

PROCEDE ET SYSTEME POUR CONTENU MULTIMEDIA

Patent Applicant/Inventor:

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FITZGERALD Edward Vincent, 100 Peach Terrace, Santa Cruz, CA 95060, US,
US (Residence), US (Nationality)

Legal Representative:

GALLENSON Mavis S (et al) (agent), Ladas & Parry, 5670 Wilshire Boulevard, Suite 2100, Los Angeles, CA 90036, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200396340 A2 20031120 (WO 0396340)
Application: WO 2003US14878 20030510 (PCT/WO US03014878)
Priority Application: US 2002379979 20020510; US 2002378011 20020510; US 2002218241 20020813; US 2002235293 20020904; US 2002304390 20021125; US 2002325243 20021218; US 2003364643 20030210; US 2003451231 20030228; US 2003430843 20030505; US 2003430477 20030505

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 222812

Main International Patent Class (v7): **G06F-001/00**

Fulltext Availability:

Detailed Description

Detailed Description

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... I;
I
if($request==-/Omniweb/io)
Sok = 0; $mozzy = 1; $request Sua = $I;
I
if($ request @ /iCab/io)
Sok = 0; $mozzy = 1; $request @/.+As*(.+)$/; $ua = $ 1;
----- MP3 RIPPER INFO
if(Srequest...

...ua = $ 1;
if($request ==@ /RMA/io)
Sok = 0; $real = 1; Srequest @/.+As*(.+)$/; $ua = SI;
if($ request /Winamp/io) Sok = 1; $request ==/.+-
s*$/; $ua S 1;
if($request /QuickTime/io) Sok...
```

17/3, K/17 (Item 17 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2006 WIPO/Thomson. All rts. reserv.

00772867 **Image available**

HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM
SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE

Patent Applicant/Assignee:

COMMVAULT SYSTEMS INC, 2 Crescent Place, Oceanport, NJ 07757-0900, US, US
(Residence), US (Nationality)

Inventor(s):

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KAVURI Srinivas, 40 Maple Court, Highland Park, NJ 08904, US
OSHINSKY David A, 22 Francis Road, East Brunswick, NJ 08816, US
PRAHLAD Anand, 3 Bucknell Drive, East Brunswick, NJ 08816, US

Legal Representative:
BENNETT James D, Akin, Gump, Strauss, Hauer & Feld, LLP, Suite 1900, 816 Congress Avenue, Austin, TX 78701, US

Patent and Priority Information (Country, Number, Date):
Patent: WO 200106367 A1 20010125 (WO 0106367)
Application: WO 2000US19324 20000717 (PCT/WO US0019324)
Priority Application: US 99354058 19990715
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English
Filing Language: English
Fulltext Word Count: 6616

Fulltext Availability:
[Detailed Description](#)

[Detailed Description](#)
... OF THE INVENTION

Various aspects of the present invention may be found in a backup **system** for a **network** computing **system**. The **network computer system** has a first **network** device and a second **network** device. The backup **system** has a first software agent operating on a first network device on the **network** computing **system**. The first software agent is communicatively coupled to at least one backup device. The first software agent maintains operational parameters for the backup regime for the **network computer system**. The first software agent makes archival requests directed to the backup device or devices to **initiate archival requests**, including **backups** and restores.

A **second software agent**, operating on the second network device, **supervises** the operation of the first software agent. The second software agent is able to **initiate archival function requests** to the backup device or devices **independent** from the first software agent. Additionally, the second software agent may make an archival request...

17/AN,AZ,TI/1 (Item 1 from file: 348)
DIALOG(R)File 348:(c) 2006 European Patent Office. All rts. reserv.

01898247
Systems and methods for secure transaction management and electronic rights protection
Systeme und Verfahren zur Verwaltung von gesicherten Transaktionen und zum Schutz von elektronischen Rechten
Systèmes et procédés pour gerer des transactions sécurisees et pour protéger des droits électroniques
APPLICATION (CC, No, Date): EP 2004078195 960213;
PRIORITY (CC, No, Date): US 388107 950213

17/AN,AZ,TI/2 (Item 2 from file: 348)
DIALOG(R)File 348:(c) 2006 European Patent Office. All rts. reserv.

01752676
Systems and methods for secure transaction management and electronic rights protection
Systeme und Verfahren zur gesicherten Transaktionsverwaltung und elektronischem Rechtsschutz
Systèmes et procédés de gestion de transactions sécurisees et de protection de droits électroniques
APPLICATION (CC, No, Date): EP 2004075701 960213;
PRIORITY (CC, No, Date): US 388107 950213

17/AN,AZ,TI/3 (Item 3 from file: 348)
DIALOG(R)File 348:(c) 2006 European Patent Office. All rts. reserv.

01258149
HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM
HIERARCHISCHE DATENSICHERUNG- UND WIEDERAUFFINDUNGSSYSTEM
SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE
APPLICATION (CC, No, Date): EP 2000947402 000717; WO 2000US19324 000717
PRIORITY (CC, No, Date): US 354058 990715

17/AN,AZ,TI/4 (Item 4 from file: 348)
DIALOG(R)File 348:(c) 2006 European Patent Office. All rts. reserv.

00401208
Servicing interrupts in a data processing system
Unterbrechungsbedienung in einem Datenverarbeitungssystem
Prise en charge d'interruptions dans un système de traitement de données
APPLICATION (CC, No, Date): EP 90305309 900516;
PRIORITY (CC, No, Date): US 353117 890517

17/AN,AZ,TI/5 (Item 5 from file: 348)
DIALOG(R)File 348:(c) 2006 European Patent Office. All rts. reserv.

00306058
Digital data processing system.
Digitales Datenverarbeitungssystem.
Système de traitement de données numériques.
APPLICATION (CC, No, Date): EP 88200917 820521;
PRIORITY (CC, No, Date): US 266404 810522

17/AN,AZ, TI/6 (Item 6 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01439304
PROCESSOR AND INTERFACE
PROCESSEUR ET INTERFACE
Application: WO 2006GB1756 20060512 (PCT/WO GB2006001756)

17/AN,AZ, TI/7 (Item 7 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01091980
CHANGE NAVIGATION TOOLKIT
BOITE A OUTILS DE NAVIGATION POUR LA PRISE EN CHARGE DE CHANGEMENTS ORGANISATIONNELS
Application: WO 2003EP8573 20030731 (PCT/WO EP03008573)

17/AN,AZ, TI/8 (Item 8 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01066614
METHOD AND SYSTEM FOR MEDIA
PROCEDE ET SYSTEME POUR CONTENU MULTIMEDIA
Application: WO 2003US14878 20030510 (PCT/WO US03014878)

17/AN,AZ, TI/9 (Item 9 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00943767
SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR A SUPPLY CHAIN MANAGEMENT SYSTEME, PROCEDE ET PRODUIT PROGRAMME INFORMATIQUE CONCUS POUR UNE GESTION DE CHAINE D'APPROVISIONNEMENT
Application: WO 2002US8287 20020319 (PCT/WO US02008287)

17/AN,AZ, TI/10 (Item 10 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00933152
EXTENDED WEB ENABLED MULTI-FEATURED BUSINESS TO BUSINESS COMPUTER SYSTEM FOR RENTAL VEHICLE SERVICES
SYSTEME INFORMATIQUE ETENDU ENTRE ENTREPRISES, A FONCTIONS MULTIPLES, FONCTIONNANT SUR LE WEB, POUR DES SERVICES DE LOCATION DE VEHICULES
Application: WO 2001US51437 20011019 (PCT/WO US0151437)
Parent Application/Grant:
Related by Continuation to: US 2000694050 20001020 (CIP)

17/AN,AZ, TI/11 (Item 11 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00908952
ANONYMOUS TRANSACTION SYSTEM
SYSTEME DE TRANSACTION ANONYME
Application: WO 2001US44318 20011127 (PCT/WO US0144318)

17/AN,AZ, TI/12 (Item 12 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00802534

ANY-TO-ANY COMPONENT COMPUTING SYSTEM
SYSTEME INFORMATIQUE A COMPOSANTS TOUTE CATEGORIE

Application: WO 2000US31231 20001113 (PCT/WO US0031231)

17/AN,AZ, TI/13 (Item 13 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00799787

ARCHITECTURES FOR NETCENTRIC COMPUTING SYSTEMS
ARCHITECTURES DESTINEES A DES SYSTEMES INFORMATIQUES S'ARTICULANT AUTOEUR D'INTERNET

Application: WO 2000US30519 20001103 (PCT/WO US0030519)

17/AN,AZ, TI/14 (Item 14 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00784184

A SYSTEM, METHOD FOR FIXED FORMAT STREAM COMMUNICATION IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE POUR FLUX DE FORMAT FIXE DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE COMMUNICATION

Application: WO 2000US24114 20000831 (PCT/WO US0024114)

17/AN,AZ, TI/15 (Item 15 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00784143

SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR LOAD BALANCING REQUESTS AMONG SERVERS

SYSTEME, PROCEDE ET ARTICLE POUR EQUILIBREUR DE CHARGE DANS UN ENVIRONNEMENT DE STRUCTURES DE SERVICES

Application: WO 2000US24236 20000831 (PCT/WO US0024236)

17/AN,AZ, TI/16 (Item 16 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00784132

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A LEGACY WRAPPER IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET DISPOSITIF POUR MODULE D'HABILLAGE EXISTANT DANS UN ENVIRONNEMENT DE SCHEMAS DE SERVICES DE COMMUNICATION

Application: WO 2000US24084 20000831 (PCT/WO US0024084)

17/AN,AZ, TI/17 (Item 17 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00772867

HIERARCHICAL BACKUP AND RETRIEVAL SYSTEM
SYSTEME DE SAUVEGARDE ET D'EXTRACTION HIERARCHIQUE

Application: WO 2000US19324 20000717 (PCT/WO US0019324)

17/AN,AZ, TI/18 (Item 18 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00761429
METHODS, CONCEPTS AND TECHNOLOGY FOR A VIRTUAL SHOPPING SYSTEM CAPABLE OF ASSESSING NEEDS OF A CUSTOMER AND RECOMMENDING A PRODUCT OR SERVICE BASED ON SUCH ASSESSED NEEDS
PROCEDES, CONCEPTS ET TECHNOLOGIE POUR SYSTEME D'ACHAT VIRTUEL CAPABLE D'EVALUER LES BESOINS D'UN CLIENT ET DE RECOMMANDER UN PRODUIT OU UN SERVICE SUR LA BASE DE CES BESOINS
Application: WO 2000US14357 20000524 (PCT/WO US0014357)

17/AN,AZ, TI/19 (Item 19 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00482074
AUTOMATED METER READING SYSTEM
SYSTEME DE LECTURE AUTOMATIQUE DES COMPTEURS
Application: WO 98US19034 19980911 (PCT/WO US9819034)

17/AN,AZ, TI/20 (Item 20 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00418748
SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION
SYSTEMES ET PROCEDES DE GESTION DE TRANSACTIONS SECURISEES ET DE PROTECTION DE DROITS ELECTRONIQUES
Application: WO 97US15243 19970829 (PCT/WO US9715243)

17/AN,AZ, TI/21 (Item 21 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00401843
APPARATUS AND METHOD FOR MANAGING AND DISTRIBUTING DESIGN AND MANUFACTURING INFORMATION THROUGHOUT A SHEET METAL PRODUCTION FACILITY
APPAREIL ET METHODE CORRESPONDANTE PERMETTANT DE GERER ET DE REPARTIR UNE INFORMATION RELATIVE A LA CONCEPTION ET A LA FABRICATION DANS UNE INSTALLATION DE PRODUCTION DE TOLES
Application: WO 97US7472 19970506 (PCT/WO US9707472)

17/AN,AZ, TI/22 (Item 22 from file: 349)
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

00275209
DATA COMPRESSION AND DECOMPRESSION
COMPRESSION ET DECOMPRESSION DE DONNEES
Application: WO 94GB677 19940330 (PCT/WO GB9400677)

bibliographic
NPL files

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? show files;ds
File 2:INSPEC 1898-2006/Nov W4
      (c) 2006 Institution of Electrical Engineers
File 6:NTIS 1964-2006/Nov W4
      (c) 2006 NTIS, Intl Cpyrght All Rights Res
File 8:Ei Compendex(R) 1970-2006/Nov W4
      (c) 2006 Elsevier Eng. Info. Inc.
File 34:SciSearch(R) Cited Ref Sci 1990-2006/Dec W1
      (c) 2006 The Thomson Corp
File 35:Dissertation Abs Online 1861-2006/Nov
      (c) 2006 ProQuest Info&Learning
File 65:Inside Conferences 1993-2006/Dec 07
      (c) 2006 BLDSC all rts. reserv.
File 94:JICST-EPlus 1985-2006/Aug W3
      (c) 2006 Japan Science and Tech Corp(JST)
File 99:Wilson Appl. Sci & Tech Abs 1983-2006/Nov
      (c) 2006 The HW Wilson Co.
File 144:Pascal 1973-2006/Nov W2
      (c) 2006 INIST/CNRS
File 202:Inspec 1898-1968
      (c) 2005 Institution of Electrical Engineers
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
      (c) 2006 The Thomson Corp
File 553:Wilson Bus. Abs. 1982-2006/Dec
      (c) 2006 The HW Wilson Co
```

Set	Items	Description
S1	501309	(NETWORK?? OR INTERCONNECTED) (3N) (COMPUTER OR SYSTEM OR DISTRIBUTED) OR LAN OR WAN OR (LOCAL OR WIDE) () AREA() (NETWORK OR NETWORKS)
S2	522144	HIERARCHICAL OR (TWO OR 2 OR SECOND OR 2ND OR TWOFOLD OR DUAL OR PLURAL OR PLURALITY OR MULTIPLE? OR MULTI OR PAIR??) (2-N) (LEVEL OR LEVELS OR TIER?? OR SOFTWARE() (AGENT OR AGENTS OR COMPONENT OR COMPONENTS))
S3	2364206	BACK???() (UP OR UPS) OR BACKUP OR BACKUPS OR STORAGE OR ARCHIV??? OR RECORDING OR PRESERV??? OR PRESERVATION OR RETENTION OR RETRIEVAL OR (DATA OR INFORMATION OR FILE OR FILES) (2N) - (RECOVERY OR RESTOR??? OR RESTORATION)
S4	9935	MAINTAIN??? OR MAINTENANCE) (2N) (METRICS OR ALGOR?THM? ? OR FORMULA? ? OR PARAMET? OR RULE OR RULES) OR INITIAT??? (2N) (REQUEST OR REQUESTS OR ARCHIVAL OR ARCHIVING OR BACKUP OR RESTORE OR RESTORES)
S5	1887669	SUPERVISE OR SUPERVISES OR SUPERVISING OR ADMINISTER OR ADMINISTRATION OR MANAGE OR MANAGES OR MANAGING OR OPERATES OR INDEPENDENT??
S6	143	S1(10N)((S2(5N)S3) OR HSM)
S7	90	S4(10N)S5
S8	0	S6(S)S7
S9	129	S1(S)((S2(7N)S3) OR HSM)
S10	169	S4(20N)S5
S11	0	S9 AND S10
S12	2	S1 AND S2 AND S3 AND S4 AND S5
S13	5	S2(S)S3(S)S4(S)S5
S14	1692	(HSM OR (S2(S)S3)(S)S4(S)S5)
S15	15	S1(S)S14
S16	20	S12 OR S13 OR S15
S17	15	S16 NOT PY>1999
S18	15	S17 NOT PD=19990716:20070131
S19	9	RD (unique items)

19/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

06264803

Title: Software is security key [storage management software]

Author(s): Enticknap, N.

Journal: IBM System User spec. issue. p.25, 27-8

Publisher: APT Data Group,

Publication Date: April 1996 Country of Publication: UK

CODEN: ISYUEQ ISSN: 0950-303X

SICI: 0950-303X(199604)L.25:SSSM;1-Q

Material Identity Number: H523-96006

Language: English

Subfile: D

Copyright 1996, IEE

...Identifiers: **LAN HSM** ;

19/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

05770387 INSPEC Abstract Number: C9411-5620L-010

Title: HSM tries to tame the LAN storage tiger

Author(s): Saunders, S.

Author Affiliation: Data Commun., San Mateo, CA, USA

Journal: Data Communications International vol.23, no.11 p.73-8,
80-1

Publication Date: Aug. 1994 Country of Publication: USA

CODEN: DCINEU ISSN: 0363-6399

U.S. Copyright Clearance Center Code: 0363-6399/94/\$5.50

Language: English

Subfile: C

Title: HSM tries to tame the LAN storage tiger

...Abstract: hard drives into servers can create more administrative problems than it solves. Hierarchical storage management (**HSM**), which exploits high-density media like optical disks and magnetic tape is being put forward as a way around **LAN** storage problems. **HSM** provides a way to store seldom-used files that are cluttering up server drives while...

19/3,K/6 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

(c) 2006 The HW Wilson Co. All rts. reserv.

1218121 H.W. WILSON RECORD NUMBER: BAST95013579

Network storage economizers

AUGMENTED TITLE: Avail's NetSpace 3.0, Palindrome HSM 3.1a, and Arcada's Storage Migrator 3.0

Nance, Barry;

Byte v. 20 (Mar. '95) p. 137-8+

DOCUMENT TYPE: Product Evaluation ISSN: 0360-5280

...ABSTRACT: of data management, manufacturers are beginning to offer a technology known as hierarchical storage management (**HSM**) on PC LANs.

HSM lets users automate the migration of **LAN** data to and from file-server hard drives to slower, larger-capacity devices. **HSM** cannot

substitute for the backup procedures that must still be followed for all data on the **LAN**; rather, **HSM** extends the storage capability of file servers by moving infrequently used older files from primary storage to secondary storage. Three **HSM** products for PC LANs are reviewed: Avail's NetSpace, Arcada's Storage Migrator, and Palindrome's Palindrome **HSM**.

19/3,K/7 (Item 2 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
(c) 2006 The HW Wilson Co. All rts. reserv.

1131682 H.W. WILSON RECORD NUMBER: BAST94000226

Hierarchical storage reaches the LAN

AUGMENTED TITLE: Buyer's Guide

McCusker, Tom;

Datamation v. 39 (Dec. 15 '93) p. 73-6

DOCUMENT TYPE: Feature Article ISSN: 0011-6963

ABSTRACT: Vendors are introducing hierarchical storage management (**HSM**), which in its purest form guarantees that **LAN** users will never again run out of disk space. Previously, this was possible only on...

...data on mature and secure MVS mainframe systems or on midrange UNIX systems. Unfortunately, many **LAN HSM** packages are just backup products or software that do not provide all of the ingredients of a true **HSM**. A table presents data on several **HSM** products.

19/3,K/9 (Item 2 from file: 553)

DIALOG(R)File 553:Wilson Bus. Abs.
(c) 2006 The HW Wilson Co. All rts. reserv.

02763928 H.W. WILSON RECORD NUMBER: BWBA94013928

Migrating data to cheaper storage.

AUGMENTED TITLE: Conner Peripherals' Hierarchical Storage Management (HSM) System

Salamone, Salvatore

Data Communications (Data Commun) v. 22 (Aug. '93) p. 49-50

LANGUAGE: English

ABSTRACT: Conner Peripherals' Hierarchical Storage Management (**HSM**) System, which is designed for corporate networks with multiple Novell Netware file servers, is the first **LAN** storage management software that rivals the better data-handling capabilities of mainframes. The **HSM** System reduces online storage costs by automatically migrating inactive files from server hard disks through...

19/6/1 (Item 1 from file: 2)
06901808 INSPEC Abstract Number: B9806-6210L-024, C9806-5620W-010
Title: A loop-free routing protocol for large-scale internets using distance vectors
Publication Date: 1 March 1998
Copyright 1998, IEE

19/6/2 (Item 2 from file: 2)
06264803
Title: Software is security key [storage management software]
Publication Date: April 1996
Copyright 1996, IEE

19/6/3 (Item 3 from file: 2)
05770387 INSPEC Abstract Number: C9411-5620L-010
Title: HSM tries to tame the LAN storage tiger
Publication Date: Aug. 1994

19/6/4 (Item 1 from file: 6)
1878350 NTIS Accession Number: N95-24125/3
Digital Linear Tape (DLT) Technology and Product Family Overview
Mar 94

19/6/5 (Item 2 from file: 6)
1666481 NTIS Accession Number: DE92011062
Advanced Neutron Source reactor control and plant protection systems design
1992

19/6/6 (Item 1 from file: 99)
1218121 H.W. WILSON RECORD NUMBER: BAST95013579
Network storage economizers
AUGMENTED TITLE: Avail's NetSpace 3.0, Palindrome HSM 3.1a, and Arcada's Storage Migrator 3.0
19950300

19/6/7 (Item 2 from file: 99)
1131682 H.W. WILSON RECORD NUMBER: BAST94000226
Hierarchical storage reaches the LAN
AUGMENTED TITLE: Buyer's Guide
19931215

19/6/8 (Item 1 from file: 553)
03015680 H.W. WILSON RECORD NUMBER: BWBA95015680
Broker aims term life at 'electronic consumer'.
AUGMENTED TITLE: Hirschfeld, Stern, Moyer & Ross' PC Life Services on Prodigy
Nov. 7 '94

19/6/9 (Item 2 from file: 553)
02763928 H.W. WILSON RECORD NUMBER: BWBA94013928
Migrating data to cheaper storage.

AUGMENTED TITLE: Conner Peripherals' Hierarchical Storage Management (HSM)
system
Aug. '93

? show files;ds
File 9:Business & Industry(R) Jul/1994-2006/Dec 07
(c) 2006 The Gale Group
File 13:BAMP 2006/Nov W3
(c) 2006 The Gale Group
File 15:ABI/Inform(R) 1971-2006/Dec 08
(c) 2006 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2006/Dec 07
(c) 2006 The Gale Group
File 56:Computer and Information Systems Abstracts 1966-2006/Nov
(c) 2006 CSA.
File 75:TGG Management Contents(R) 86-2006/Nov W3
(c) 2006 The Gale Group
File 95:TEME-Technology & Management 1989-2006/Dec W1
(c) 2006 FIZ TECHNIK
File 98:General Sci Abs 1984-2006/Nov
(c) 2006 The HW Wilson Co.
File 148:Gale Group Trade & Industry DB 1976-2006/Dec 06
(c) 2006 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2006/Dec 07
(c) 2006 The Gale Group
File 369:New Scientist 1994-2006/Sep W3
(c) 2006 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
File 484:Periodical Abs Plustext 1986-2006/Dec W1
(c) 2006 ProQuest
File 610:Business Wire 1999-2006/Dec 08
(c) 2006 Business Wire.
File 613:PR Newswire 1999-2006/Dec 08
(c) 2006 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Dec 05
(c) 2006 The Gale Group
File 624:McGraw-Hill Publications 1985-2006/Dec 08
(c) 2006 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2006/Dec 07
(c) 2006 San Jose Mercury News
File 635:Business Dateline(R) 1985-2006/Dec 02
(c) 2006 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2006/Dec 07
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File 647:CMP Computer Fulltext 1988-2006/Jan W4
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S6 695 S1(10N)((S2(5N)S3) OR HSM)
S7 577 S4(10N)S5
S8 0 S6(S)S7
S9 1293 S1(S)((S2(7N)S3) OR HSM)
S10 955 S4(20N)S5
S11 0 S9(S)S10
S12 1 S1(S)S2(S)S3(S)S4(S)S5
S13 7 (HSN OR S2(S)S3)(S)S4(S)S5
S14 8 S12 OR S13
S15 5 S14 NOT PY>1999
S16 3 S15 NOT PD=19990715:20070131
S17 2 RD (unique items)

17/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04623788 Supplier Number: 46802018 (USE FORMAT 7 FOR FULLTEXT)

PeopleSoft Debuts Manufacturing Software

News Release, pN/A

Oct 15, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1575

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...fulfillment, and control of lead times. * Procurement to Payment -- includes inventory optimization and supplier management. * **Managing** the Enterprise -- includes trend analysis and decision support. PeopleSoft Manufacturing PeopleSoft Manufacturing includes PeopleSoft Bills...

...work centers, jobs, and routings. It offers all the flexibility and control necessary to effectively **manage** all machines, tools, and crews, and provides instant access to essential information: tracking and displaying...

...throughout the enterprise. It is a comprehensive shop floor control application that enable users to **manage**, transact, and cost all material, machine, and labor requirements, schedule and dispatch production by work ...

...replenishment. * PeopleSoft Cost Management PeopleSoft Cost Management provides the control and flexibility for companies to **manage** costs throughout the supply chain. It supports multiple methods of costing (standard, actual, weighted average...

...cost simulations. This application includes inventory accounting functionality that enables definition of inventory accounts for **storage** and production areas, associate raw materials, work in process and finished goods accounts with **storage** locations, allows debit or credit **storage** accounts, and allows reporting of **storage** and WIP inventory values by account to help reconcile perpetual inventory to general ledger balances...

...in real-time and determine if, when, and how to produce each particular product. It **maintains** configuration **rules** which encompass marketing, engineering, and sales data in spreadsheet-like product matrices that are simple...

...function to increase order accuracy and reduce delivery lead time. Unlike other configurators, it supports **multi - level** configuration across **multiple** sites and creates top-level assemblies as well as subassemblies. It also provides configuration pricing...

17/3,K/2 (Item 1 from file: 56)
DIALOG(R)File 56:Computer and Information Systems Abstracts
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0000313652 IP ACCESSION NO: 336131

Loop-free routing protocol for large-scale Internets using distance vectors

Murthy, Sh; Garcia-Luna-Aceves, J J

Sun Microsystems, Palo Alto, CA, USA

Computer Communications, v 21, n 2, p 147-161, 1 Mar. 1998
PUBLICATION DATE: 1998

PUBLISHER: Elsevier Science Publishing Co., Inc., P.O. Box 882, Madison Square Station, New York, NY, 10159-0882

COUNTRY OF PUBLICATION: USA

PUBLISHER URL: <http://www.elsevier.com>

PUBLISHER EMAIL: usinfo-f@elsevier.com

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

ISSN: 0140-3664

FILE SEGMENT: Computer & Information Systems Abstracts

ABSTRACT:

... and prior routing algorithms based on routing trees has been the fact that, because LPA **operates** by communicating shortest-path routing trees incrementally among neighbor nodes, it forces routers to maintain more 'host routes' than would be needed in a traditional distance vector **algorithm**. **Maintaining** such information incurs additional **storage** overhead and may not be feasible in some cases (e.g. due to subnetting). To remedy this, and to provide a scalable Internet routing solution, we propose a new **hierarchical** routing algorithm that combines LPA with the area-based **hierarchical** routing scheme first proposed by McQuillan for distance-vector algorithms. The new algorithm, which we call the **hierarchical** information path-based routing (HIPR) algorithm, accommodates an arbitrary number of aggregation levels and can be viewed as a distributed version of Dijkstra's algorithm running over a **hierarchical** graph. HIPR is verified to be loop-free and correct. Simulations are used to show...



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J P.L.A.
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1131682 H.W. Wilson Record Number: BAST94000226

Hierarchical storage reaches the LAN

Augmented Title: Buyer's Guide

McCusker, Tom ;

Datamation v. 39 (Dec. 15 '93) p. 73-6

Document Type: Feature Article **ISSN:** 0011-6963 **Language:** English **Record Status:** New record

Abstract: Vendors are introducing hierarchical storage management (HSM), which in its purest form guarantees that LAN users will never again run out of disk space. Previously, this was possible only on enterprise networks that use software to manage and back up data on mature and secure MVS mainframe systems or on midrange UNIX systems. Unfortunately, many LAN HSM packages are just backup products or software that do not provide all of the ingredients of a true HSM. A table presents data on several HSM products.

Descriptors: Network management software; Local area networks; Backup storage (Data processing) ;

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Wilson Appl. Sci & Tech Abs

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1218121 H.W. Wilson Record Number: BAST95013579

Network storage economizers

Augmented Title: Avail's NetSpace 3.0, Palindrome HSM 3.la, and Arcada's Storage Migrator 3.0
Nance, Barry ;

Byte v. 20 (Mar. '95) p. 137-8+

Document Type: Product Evaluation **ISSN:** 0360-5280 **Language:** English **Record Status:** New record

Abstract: To help reduce the significant costs of data management, manufacturers are beginning to offer a technology known as hierarchical storage management (HSM) on PC LANs. HSM lets users automate the migration of LAN data to and from file-server hard drives to slower, larger-capacity devices. HSM cannot substitute for the backup procedures that must still be followed for all data on the LAN; rather, HSM extends the storage capability of file servers by moving infrequently used older files from primary storage to secondary storage. Three HSM products for PC LANs are reviewed: Avail's NetSpace, Arcada's Storage Migrator, and Palindrome's Palindrome HSM.

Descriptors: Network management software; Memory management (Computer science) ; Product evaluation ;